

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031839.D
 Acq On : 14 Jul 2025 10:36
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	213196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	419599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	383633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168874	55.195	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.380%			
35) Dibromofluoromethane	7.904	113	141487	51.674	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.340%			
50) Toluene-d8	10.325	98	514621	50.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.617	95	202927	54.118	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.052	85	24609	16.949	ug/l	99
3) Chloromethane	2.259	50	34502	19.710	ug/l	98
4) Vinyl Chloride	2.411	62	45927	19.962	ug/l	95
5) Bromomethane	2.826	94	36697	20.420	ug/l	95
6) Chloroethane	2.972	64	31465	20.133	ug/l	95
7) Trichlorofluoromethane	3.308	101	40411	19.340	ug/l	94
8) Diethyl Ether	3.722	74	35543	22.386	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	45420	19.584	ug/l	97
10) Methyl Iodide	4.314	142	71247	19.927	ug/l	99
11) Tert butyl alcohol	5.234	59	20449	107.881	ug/l	98
12) 1,1-Dichloroethene	4.082	96	50821	20.005	ug/l	92
13) Acrolein	3.936	56	25636	75.248	ug/l	95
14) Allyl chloride	4.704	41	81670	20.953	ug/l	98
15) Acrylonitrile	5.405	53	84019	107.608	ug/l	99
16) Acetone	4.167	43	75082	99.283	ug/l	94
17) Carbon Disulfide	4.429	76	125753	18.499	ug/l	98
18) Methyl Acetate	4.710	43	45134	20.883	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	98454	22.834	ug/l	99
20) Methylene Chloride	4.960	84	81509	24.463	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	57078	21.146	ug/l	98
22) Diisopropyl ether	6.344	45	179249	23.580	ug/l	98
23) Vinyl Acetate	6.289	43	593190	114.245	ug/l	97
24) 1,1-Dichloroethane	6.252	63	109046	22.126	ug/l	99
25) 2-Butanone	7.197	43	109501	111.299	ug/l	99
26) 2,2-Dichloropropane	7.185	77	57198	19.892	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	69492	22.396	ug/l	98
28) Bromochloromethane	7.532	49	49771	22.885	ug/l	99
29) Tetrahydrofuran	7.557	42	74733	110.918	ug/l	99
30) Chloroform	7.697	83	117943	22.522	ug/l	99
31) Cyclohexane	7.971	56	86315	19.813	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83140	20.601	ug/l	99
36) 1,1-Dichloropropene	8.099	75	76947	19.421	ug/l	99
37) Ethyl Acetate	7.276	43	50983	20.398	ug/l	100
38) Carbon Tetrachloride	8.081	117	74893	18.549	ug/l	99
39) Methylcyclohexane	9.343	83	89385	18.133	ug/l	94
40) Benzene	8.337	78	244539	20.861	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27875	20.819	ug/l	98
42) 1,2-Dichloroethane	8.410	62	81454	20.565	ug/l	98
43) Isopropyl Acetate	8.441	43	87779	20.374	ug/l	98
44) Trichloroethene	9.099	130	57013	19.486	ug/l	95
45) 1,2-Dichloropropane	9.380	63	57958	20.457	ug/l	100
46) Dibromomethane	9.465	93	37747	20.637	ug/l	97
47) Bromodichloromethane	9.654	83	89141	20.783	ug/l	99
48) Methyl methacrylate	9.447	41	43023	20.309	ug/l	97
49) 1,4-Dioxane	9.465	88	9243	431.465	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	256818	103.684	ug/l	100
52) Toluene	10.392	92	158007	21.053	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	84553	21.011	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	95766	20.992	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	50275	20.983	ug/l	97
56) Ethyl methacrylate	10.648	69	71692	22.056	ug/l	98
57) 1,3-Dichloropropane	10.934	76	90014	21.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	193414	108.059	ug/l	98
59) 2-Hexanone	10.971	43	180082	107.289	ug/l	99
60) Dibromochloromethane	11.129	129	55936	19.523	ug/l	93
61) 1,2-Dibromoethane	11.239	107	49994	20.843	ug/l	98
64) Tetrachloroethene	10.861	164	43464	17.320	ug/l	92
65) Chlorobenzene	11.654	112	166946	19.724	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	54305	20.133	ug/l	97
67) Ethyl Benzene	11.727	91	300048	20.443	ug/l	96
68) m/p-Xylenes	11.837	106	224555	39.799	ug/l	99
69) o-Xylene	12.166	106	107272	20.534	ug/l	99
70) Styrene	12.178	104	183895	20.362	ug/l	98
71) Bromoform	12.349	173	30684	19.069	ug/l #	98
73) Isopropylbenzene	12.465	105	280880	20.443	ug/l	98
74) N-amyl acetate	12.269	43	81575	22.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	63391	20.781	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48982m	20.984	ug/l	
77) Bromobenzene	12.745	156	61500	20.069	ug/l	94
78) n-propylbenzene	12.800	91	337459	20.510	ug/l	99
79) 2-Chlorotoluene	12.891	91	209747	21.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	238168	20.941	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	18854	18.813	ug/l	92
82) 4-Chlorotoluene	12.989	91	218429	20.999	ug/l	100
83) tert-Butylbenzene	13.202	119	194261	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	241588	20.965	ug/l	99
85) sec-Butylbenzene	13.379	105	293323	20.059	ug/l	99
86) p-Isopropyltoluene	13.495	119	247144	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	124859	20.317	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	126920	20.177	ug/l	94
89) n-Butylbenzene	13.818	91	234809	20.054	ug/l	98
90) Hexachloroethane	14.092	117	41932	19.287	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	116784	20.791	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11462	19.244	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	68535	19.784	ug/l	95
94) Hexachlorobutadiene	15.226	225	28897	17.275	ug/l	95
95) Naphthalene	15.360	128	167105	19.676	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61227	19.235	ug/l	91

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

